

By Telefax to (703) 872-938

Docket # 3874

USSN: D9/470,057

A.U.: 2879; Conf. # 5712

Ex: M. Santiago

EXHIBIT: A

Element f

| | Be | Sc | Ti | V | Cr | Mn | Y | Zr | Nb |
|----------|----|----|----|----|----|----|----|----|----|
| Nakamura | | | x | | | x | x | x | |
| Hosokawa | | x | | | | | x | | |
| | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy |
| Nakamura | x | | | | | | x | | |
| Hosokawa | | | | | | x | | | |
| | Ho | Er | Tm | Yb | Lu | Hf | Ta | | |
| Nakamura | | | | x | | | x | | |
| Hosokawa | | | | x | | | | | |

Element p

| | H | B | C | N | O | F | Al | Si | P |
|----------|----|----|----|----|----|----|----|----|----|
| Nakamura | | | | | | | | | |
| Hosokawa | | x | | | | | x | | x |
| | S | Cl | Ga | Ge | As | Se | Br | In | Sn |
| Nakamura | | | | | | | | | x |
| Hosokawa | | | | | | | | x | x |
| | Sb | Te | I | Tl | Pb | Bi | Zn | Cd | Hg |
| Nakamura | | | | | x | x | | | |
| Hosokawa | | | | | x | x | | | |

Element d

| | Mo | Re | Fe | Ru | Os | Co | Rh | Ir | Ni |
|----------|----|----|----|----|----|----|----|----|----|
| Nakamura | | | | | | | | | |
| Hosokawa | | | | | | | | | x |
| | Pd | Pt | Cu | Ag | Au | Hg | B | Tl | Si |
| Nakamura | | | | | | | | | |
| Hosokawa | | x | | x | x | | | | |
| | Ge | Sn | Pb | P | As | Sb | Bi | Se | Te |
| Nakamura | | | | | | | | | |
| Hosokawa | | | | | | | | | |